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Patent Abstracts of Japan

(a)

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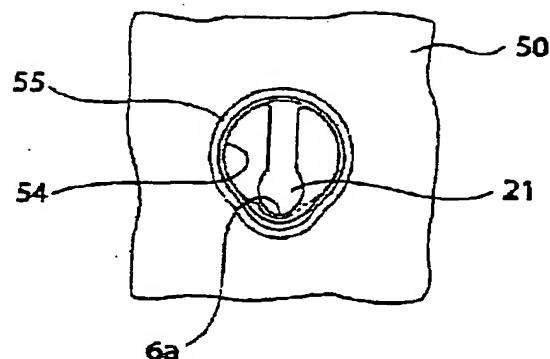
APPLICATION DATE : 30-08-00
 APPLICATION NUMBER : 2000260596

APPLICANT : ZEXEL VALEO CLIMATE CONTROL CORP;

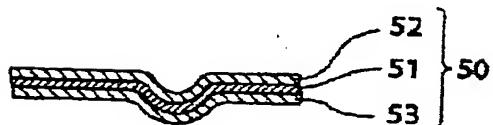
INVENTOR : KANAI HIROSHI;

INT.CL. : F04B 39/00 F04B 27/10 F04B 27/08

TITLE : RECIPROCATING REFRIGERATING COMPRESSOR



(b)



ABSTRACT : PROBLEM TO BE SOLVED: To provide a reciprocating refrigerating compressor with high volumetric efficiency.

SOLUTION: A gasket 50 suppressing leakage of a refrigerant is arranged between a cylinder block and a suction valve 21 disposed at a front side of a valve plate. A through-hole 54 is formed at an opposite position of a suction port communicating a compression chamber and a suction chamber of the gasket 50. An annular bead part 55 is formed around a periphery of the through-hole 54. As a result, comparing with the case when an annular bead part is formed such as a previous case spacing forming between the gasket 50 and the suction valve 21 becomes smaller to decrease a dead volume of the compression chamber 22 and increase a volumetric efficiency.

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